

Notice of Allowability

Application No.

10/808,797

Examiner

Fred I. Ehichioya

Applicant(s)

SINGH, GUNJEET

Art Unit

2162

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 01/16/2007.
2. ☒ The allowed claim(s) is/are 25.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____ |

DETAILED ACTION

Election/Restrictions

1. Restriction to one of the following inventions is required under 35 U.S.C. 121:

Group I. Claims 1 - 24, drawn to file allocation classified in class 707, subclass 205.

Group II. Claim 25, drawn query formulation and input preparation classified in class 707, subclass 4.

The inventions are distinct, each from the other because of the following reasons:

Inventions listed as Group I and Group II are related as subcombinations disclosed as usable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately usable. In the instant case, invention has separate utility as follows:

Group I has separate utility such as a utility that exports one or more transportable tablespaces, one or more database objects that are associated with an identifier in a database (file allocation).

Group II has separate utility such as a plurality of ad-on programs that cause data to be stored, retrieved, and modified in a database (query formulation and input preparation). See MPEP § 806.05(d).

Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, restriction for examination purposes as indicated is proper.

Because these inventions are distinct for the reasons given above and the search required for Group I is not required for Group II.

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

During a telephone conversation with Christian A. Nicholes, Attorney for the Applicants, Registration Number 50,266 on April 25, 2007, Mr. Nicholes choose to prosecute claim in group II (claim 25) and cancel claims 1 – 24 (Group I).

Examiner's Amendment

2. During telephone conversation with Christian A. Nicholes, Attorney for the Applicants, Registration Number 50,266 on April 25, 2007 authorizations for this Examiner's amendment was given in a telephone interview.

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

In the claims,

Please amend the followings:

Art Unit: 2162

1 – 24. (cancelled)

25. (currently amended) A computer system comprising:

a processor;

a base program;

a database server that is embedded within said base program;

a database; and

a plurality of add-on programs;

wherein said database server causes data to be stored, retrieved, and modified
in said database;

wherein each add-on program of said plurality of add-on programs causes data
to be stored, retrieved, and modified in said database;

wherein said database comprises (a) a base program section and (b) a plurality
of add-on program sections;

wherein said base program section stores database objects that are owned by
said base program;

wherein each add-on program section of said plurality of add-on program
sections stores database objects that are owned by a separate add-on
program of said plurality of add-on programs;

wherein, for each particular section of said base program section and said
plurality of add-on program sections, (a) said particular section is
associated a database username that is different from any database
username that is associated with any other section, (b) database objects

in said particular section are associated with a database username that is associated with said particular section, and (c) said particular section is associated with a password that is separate from any password that is associated with any other section;

wherein each particular add-on program of said plurality of add-on programs is prevented from accessing database objects within any section of said base program section and said plurality of add-on program sections unless said particular program supplies a password that is associated with a section, of said base program section and said plurality of add-on program sections, that contains database objects that said particular program is attempting to access;

wherein said base program implements an application programming interface (API);

wherein said API implements methods that are invocable by each add-on program of said plurality of add-on programs;

wherein said API provides, to each add-on program of said plurality of add-on programs, a uniform set of functions that are accessible through a uniform interface;

wherein an uninstallation of said database server requires migration of database objects that are stored in said database;

wherein, by invoking methods of said API, each separate add-on program of said plurality of add-on programs migrates database objects that said separate add-on program owns;

wherein, as part of an uninstall mechanism that uninstalls an old version of a first add-on program of said add-on programs; said first add-on program invokes a first method of said API;

wherein, in invoking said first method of said API, said first add-on program specifies, as a parameter of said first method, a first database username that is associated with a first add-on program section of said plurality of add-on program sections;

wherein, in response to being invoked with said first database username as a parameter, said first method exports, from said database, as transportable tablespaces, database objects that are contained in said first add-on program section;

wherein, as part of an install mechanism that installs a new version of said first add-on program, said first add-on program invokes a second method of said API;

wherein said second method differs from said first method;

wherein, in invoking said second method of said API, said first add-on program specifies, as a parameter of said second method, said first database username that is associated with said first add-on program section of said plurality of add-on program sections;

wherein, in response to being invoked with said first database username as a parameter, said second method imports, into said first add-on program section of said database, particular database objects that are contained in said transportable tablespaces;

wherein, as a part of said install mechanism, after said particular database objects have been imported into said database from said transportable tablespaces, said first add-on program modifies said particular database objects;

wherein, before said first add-on program modifies said particular database objects, said particular database objects conform to a first schema;

wherein, after said first add-on program modifies said particular database objects, said particular database objects conform to a second schema that differs from said first schema.

Allowable Subject Matter

3. The Examiner's actions clearly point out the reasons for rejection and the Applicant's reply explicitly presents reasons why the claims are patentable. The claimed

"wherein, as part of an install mechanism that installs a new version of said first add-on program, said first add-on program invokes a second method of said API; wherein said second method differs from said first method; wherein, in invoking said second method of said API, said first add-on program specifies, as a parameter of said second method, said first database username that is associated with said first add-on program section of said plurality of add-on program sections" in conjunction with other limitations in claim 25 are not found anticipated or rendered obvious by the prior art of record.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Fred I. Ehichioya whose telephone number is 571-272-4034. The examiner can normally be reached on M - F 8:00 AM to 4:30 PM.


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John E. Breene can be reached on 571-272-4107. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Fred I. Ehichioya
Patent Examiner
Art Unit 2162



April 30, 2007


JOHN BREENE
SUPERVISORY PATENT EXAMINER
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